Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently amended) Clamping A clamping tool comprising a first element [[(18)]] and a second element [[(20)]] capable of relative displacement under the action of a drive [[means]] mechanism, this device the clamping tool comprising a screw [[(10)]] with a given pitch (P1) capable of being adapted to be driven in rotation about an axis [[(XX)]] in one direction or in the opposite direction under the action of a motor [[M]]; a nut [[(12)]] cooperating with the screw [[(10)]] and capable of being adapted to be driven in translation in the direction of the axis [[(XX)]] of the screw, the nut being rigid in translation with the first element [[(18)]]; a first guide section means (34L) defining a linear guide parallel to the axis [[(XX)]] of the screw in order to lock the nut [[(12)]] in rotation in a first phase of displacement [[(D1)]] of the nut; and second guide section means (34H) defining a helicoidal guide which extends along the axis [[(XX)]] of the screw [[(12)]] and which second guide section has an inverted pitch [[(P2)]] relative to the pitch [[(P1)]] of the screw in order to allow rotation of the nut [[(12)]] in the same direction of rotation as the screw [[(10)]] in a second phase of displacement [[(D2)]] of the nut, characterised in that it comprises the clamping tool further comprising a compensation system [[(46)]] interposed between the first element [[(18)]] and a mobile support [[(14)]] rigid with the nut [[(12)]] in order to reinitialise the reinitialize a position of this first element (18) relative to the second element (20) in which the nut leaves the first guide section to meet the second guide section, so that the first and second phases of displacement phases generated by the first and second guide sections means (34L, 34H) remain synchronous with the phases necessary to optimisation of the displacement of the first element.
- 2. (Currently amended) Clamping The clamping tool according to claim 1, characterised in that wherein the compensation system [[(46)]] comprises the mobile support [[(14)]] in the form

of a tubular element rigid with the nut [[(12)]] and equipped with a male thread [[(48)]], as well as a hub [[(50)]] with a female thread and cooperating with the male thread of the mobile support (14), this, the hub [[(50)]] supporting the first element [[(18)]] via a thrust ball bearing [[(54)]].

- 3. (Currently amended) Clamping The clamping tool according to claim 2, characterised in that it comprises further comprising positioning mechanism means (66; 76; 80) for selectively placing the hub [[(50)]] in one of the three following positions:
- normal position ("position A") in which the hub [[(50)]] is rigid in translation and in rotation with the mobile support [[(14)]];
- reinitialising position ("position B") in which the hub [[(50)]] is rigid in translation and rotation with the first element [[(18)]]; and
- intermediate position ("position C") in which the hub [[(50)]] is free except for its connection to the thrust ball bearing [[(54)]] and its threaded connection to the mobile support [[(14)]].
- 4. (Currently amended) Clamping The clamping tool according to claim 3, characterised in that wherein the positioning mechanism comprises means comprise a nut plate [[(66)]] rigid in rotation with the hub [[(50)]], freely displaceable in axial translation relative to the hub [[(50)]] and with [[a]] the female thread to cooperate with the male thread [[(48)]] of the mobile support [[(14)]]; a spring [[(74)]] contrived to move the nut plate away from one end [[(70)] of the hub; solenoid plungers [[(78)]] rigid with a mobile disc [[(76)]] and traversing a plate [[(16)]] forming part of the first element [[(18)]]; and a winding [[(80)]] carried by the plate and contrived, when supplied with electricity, to displace the nut plate [[(66)]] towards the one end [[(70)]] of the hub [[(50)]] and the mobile disc [[(76)]] rigid with the solenoid plungers [[(78)]] towards the nut plate [[(66)]], counter to a spring-back element [[(82)]] acting on the solenoid plungers [[(78)]].
- 5. (Currently amended) Clamping The clamping tool according to claim 3, taken in combination, characterised in that wherein:

- in the normal position ("position A"), the winding [[(80)]] is not supplied with electricity, so that the nut plate [[(66)]] is apart from the <u>one</u> end [[(70)]] of the hub [[(50)]], thus effecting locking of the hub on the mobile support [[(14)]];
- in the reinitialising position ("position B"), the winding [[(80)]] is supplied with electricity, so that the nut plate [[(66)]] comes closer into contact with the one end [[(70)]] of the hub [[(50)]] and the mobile disc [[(76)]] comes closer into contact with the nut plate [[(66)]], thus effecting locking of the hub [[(50)]] on the plate [[(16)]] and, consequently, on the first element [[(18)]]; and
- in the intermediate position ("position C"), the winding [[(80)]] is supplied with electricity, so that the nut plate [[(66)]] is brought closer into contact with the <u>one</u> end [[(70)]] of the hub [[(50)]], whereas the mobile disc [[(76)]] is brought closer to the nut plate [[(66)]] without coming into contact therewith due to the fact that the solenoid plungers [[(78)]] are held in [[an]] <u>the</u> intermediate position, the hub [[(50)]] being free except for its connection to the thrust ball bearing and its threaded connection to the mobile support [[(14)]].
- 6. (Currently amended) Clamping The clamping tool according to claim 1, characterised in that it comprises further comprising a fixed support [[(22)]] which carries the motor [[(M)]] and the second element (20), known as the "fixed element".
- 7. (Currently amended) Clamping The clamping tool according to claim 6, characterised in that it comprises further comprising a column [[(24)]] fixed to the fixed support [[(22)]] and extending in a direction parallel to the axis of rotation [[(XX)]] of the screw in order to effect guiding in translation of the mobile support [[(14)]] which carries the first element—(18), known as the "mobile element".
- 8. (Currently amended) Clamping The clamping tool according to claim 1, characterised in that it comprises further comprising a hollow cylindrical support [[(30)]] which has a cylindrical wall (32) centred centered on the axis of rotation [[(XX)]] of the screw [[(10)]], and in which are

cut two opposite slides [[(34)]] each defining the first and second guide [[means]] sections, and in which respectively two tracking elements [[(28)]] are displaced carried by the nut [[(12)]].

9. (Currently amended) Clamping The clamping tool according to claim 1, characterised in that it wherein the clamping tool takes the form of soldering pliers, the first element [[(18)]] and the second element [[(20)]] forming an electrode and a counter-electrode, respectively.